Title (en)

COLLISION PREDICTION DEVICE

Title (de)

KOLLISIONSVORHERSAGEVORRICHTUNG

Title (fr)

DISPOSITIF DE PREVISION DE COLLISION

Publication

EP 2116426 A1 20091111 (EN)

Application

EP 08721147 A 20080226

Priority

- JP 2008053727 W 20080226
- JP 2007050088 A 20070228

Abstract (en)

In a collision surface determination computing section 27, a collision prediction ECU 2 selects a surface of an own vehicle where an opponent vehicle collides when the own vehicle and opponent vehicle collide with each other. A vehicle track intersection computing section 29 calculates an intersection between the own vehicle and the opponent vehicle. According to the intersection between the own vehicle and opponent vehicle and respective times when the own vehicle and opponent vehicle reach the intersection, a collision determining section 30 determines whether the own vehicle and opponent vehicle collide with each other or not. When it is determined that the own vehicle and opponent vehicle collide with each other, a collision position computing section 32 calculates a collision position of the own vehicle where the opponent vehicle collides according to the collision surface selected in the collision surface determination computing section 27.

IPC 8 full level

B60R 21/0134 (2006.01); **B60R 21/00** (2006.01); **B60R 21/01** (2006.01); **B60R 21/16** (2006.01); **B60R 22/46** (2006.01); **B60R 22/48** (2006.01); **G08G 1/16** (2006.01); G01S 13/931 (2020.01)

CPC (source: EP US)

B60R 21/0134 (2013.01 - EP US); **B60W 30/08** (2013.01 - EP US); **G08G 1/166** (2013.01 - EP US); B60R 2021/0006 (2013.01 - EP US); B60R 2021/01304 (2013.01 - EP US); B60R 2021/01327 (2013.01 - EP US); G01S 13/931 (2013.01 - EP US); G01S 2013/93185 (2020.01 - EP US); G01S 2013/932 (2020.01 - EP US); G01S 2013/93271 (2020.01 - EP US); G01S 2013/93272 (2020.01 - EP US)

Cited by

CN102320280A; WO2015140244A1

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2116426 A1 20091111; **EP 2116426 A4 20100630**; **EP 2116426 B1 20140730**; CN 101622160 A 20100106; CN 101622160 B 20121107; JP 2008213535 A 20080918; JP 4400634 B2 20100120; US 2010042323 A1 20100218; US 9174598 B2 20151103; WO 2008105554 A1 20080904

DOCDB simple family (application)

EP 08721147 A 20080226; CN 200880006241 A 20080226; JP 2007050088 A 20070228; JP 2008053727 W 20080226; US 44075408 A 20080226